

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Figure 1

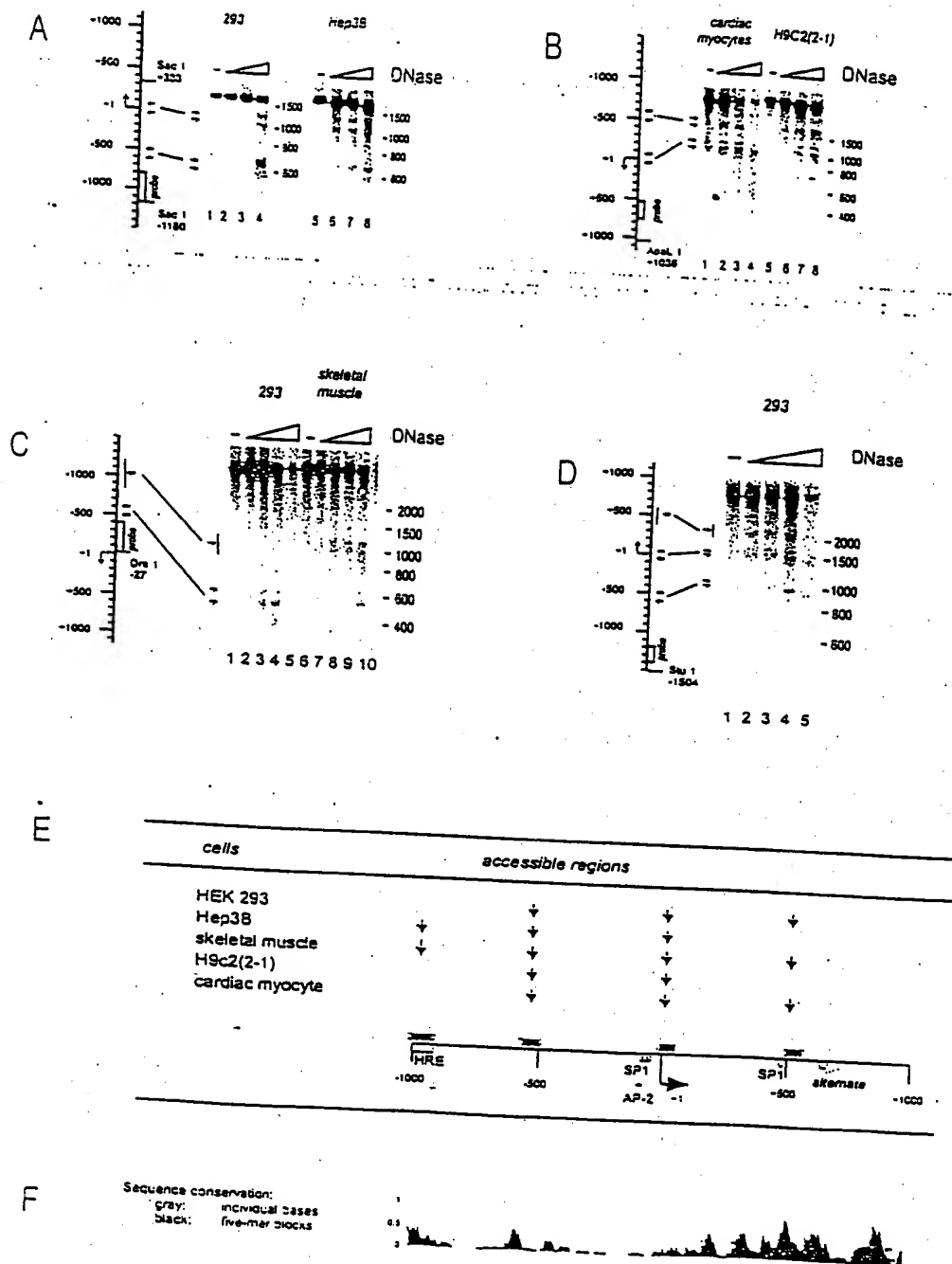


Figure 2

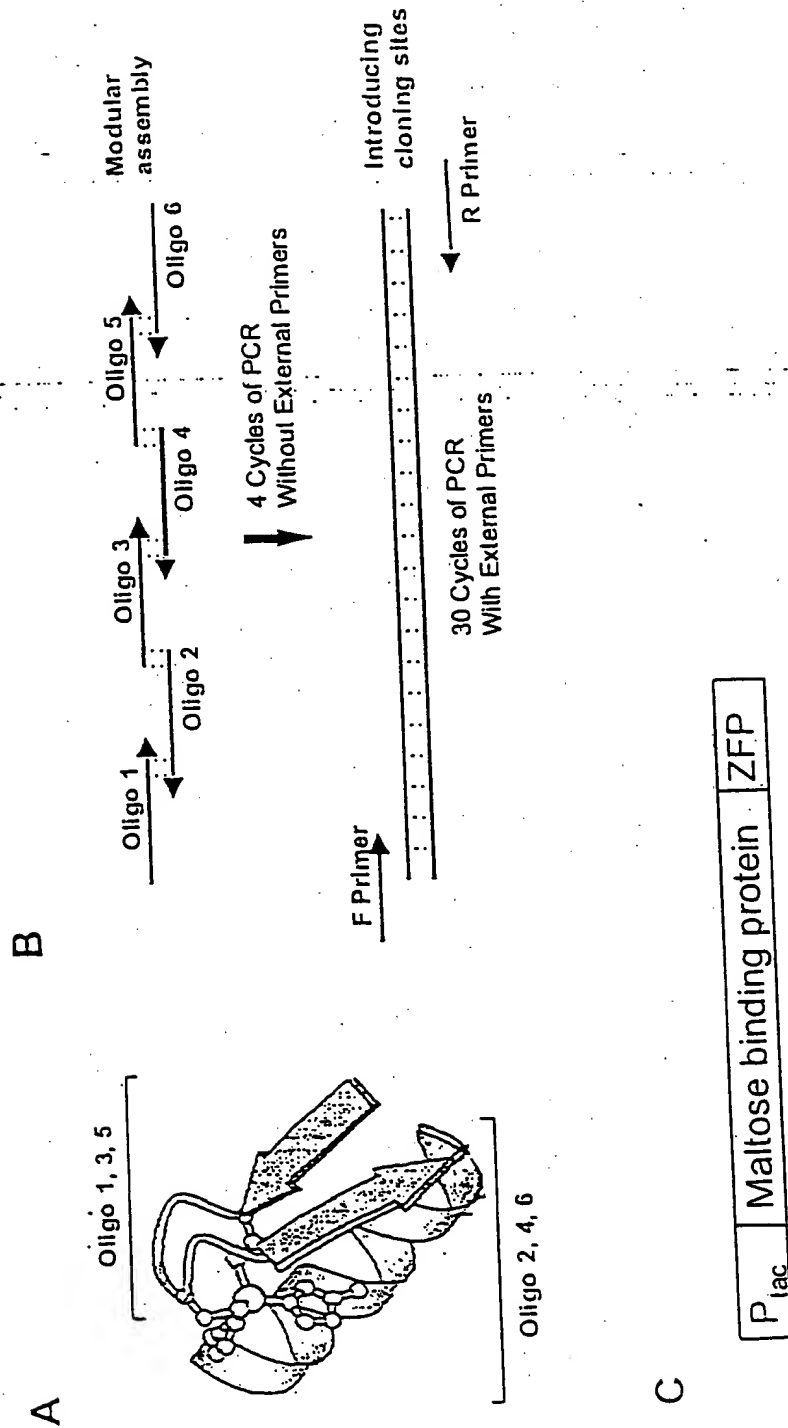
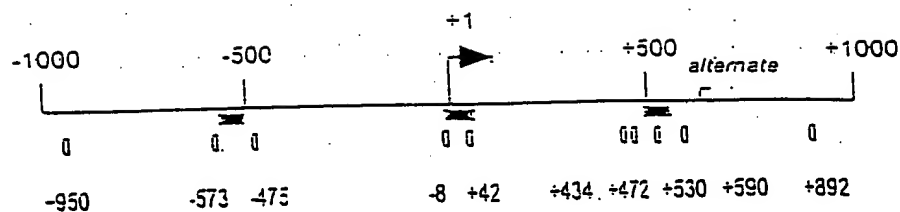


Figure 2

D



RECEIVED
JAN 10 1964
U.S. AIR FORCE
HONOLULU, HAWAII

Figure 3

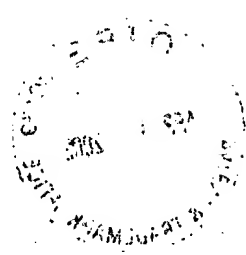
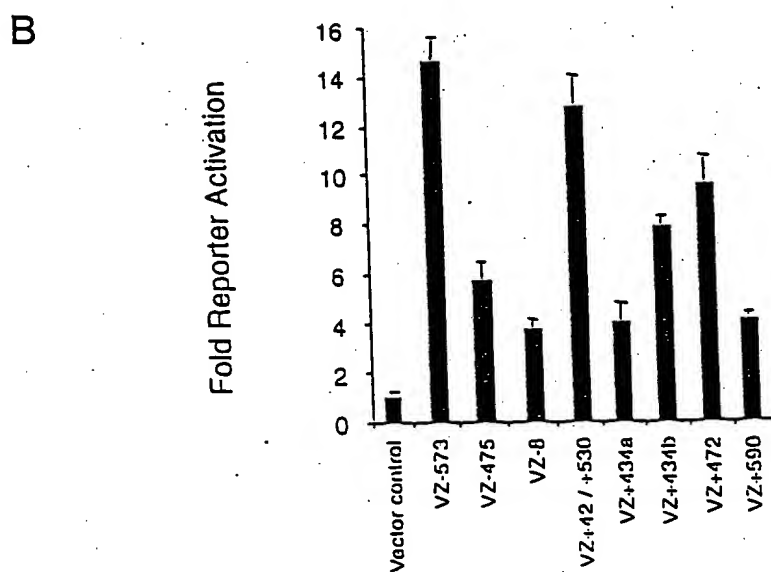
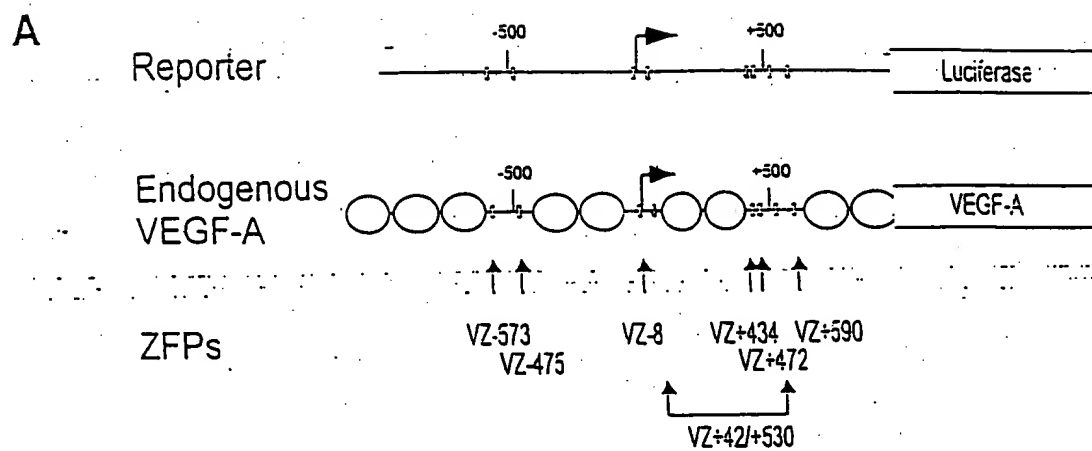
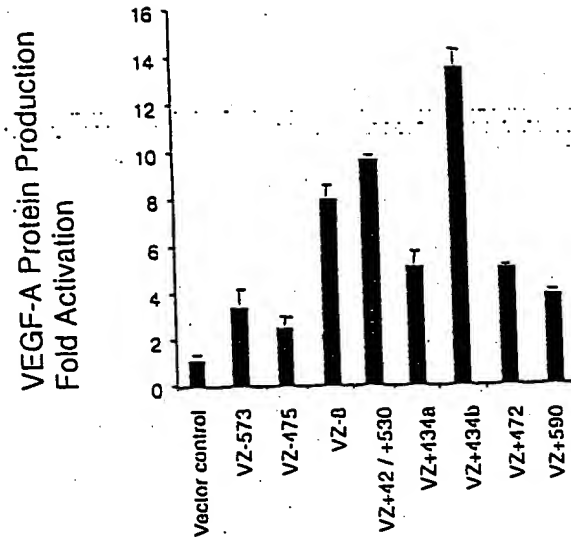


Figure 3

C



D

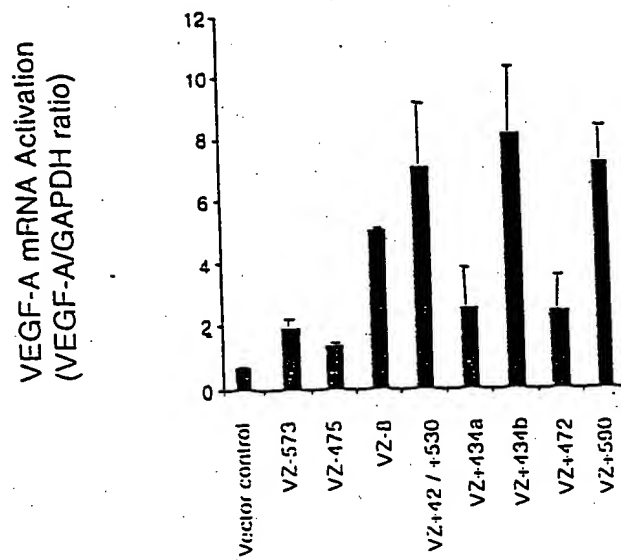
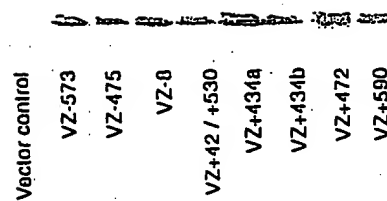


Figure 3

E

ZFP
Protein



F

Relative ZFP mRNA levels
(VP16 / GAPDH by Taqman)

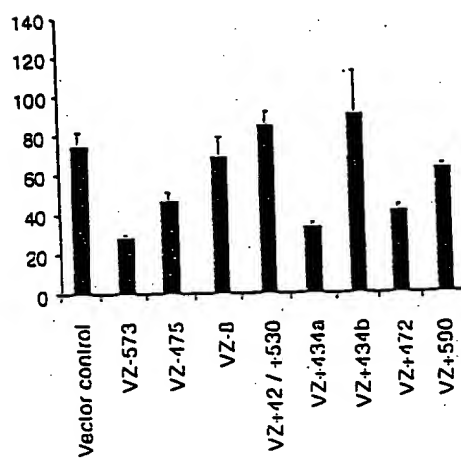


Figure 4

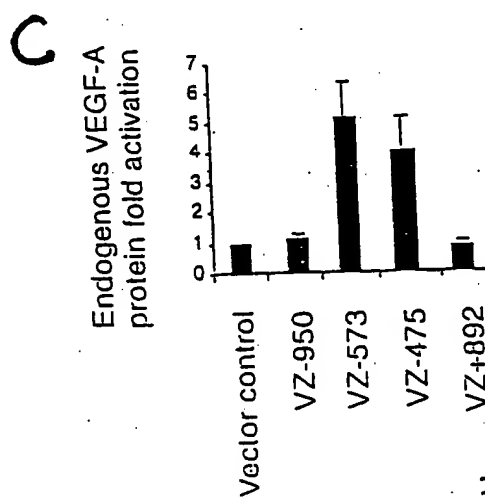
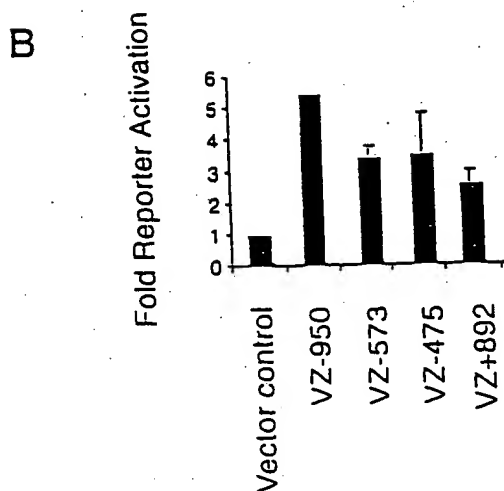
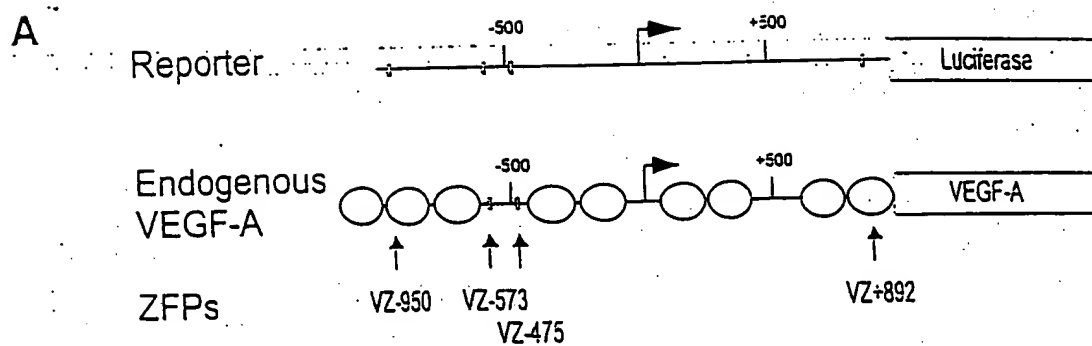


Figure 5

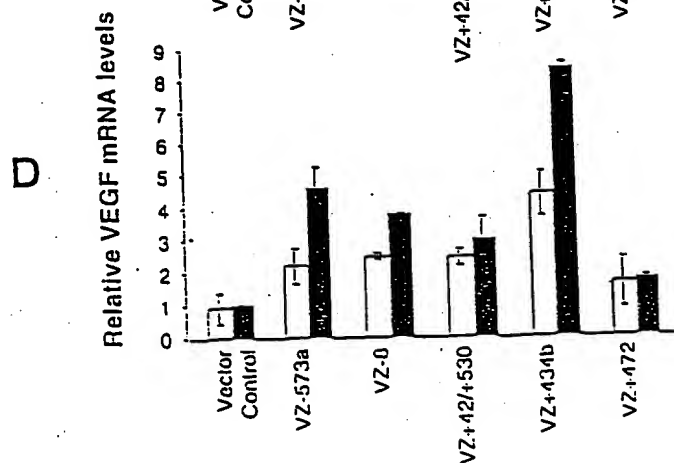
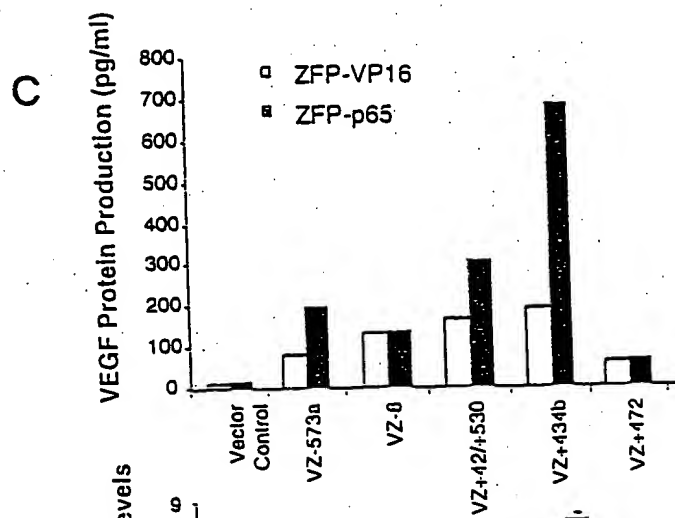
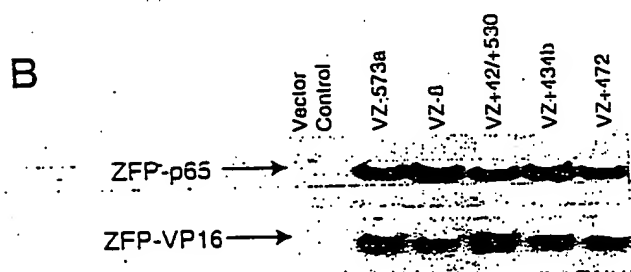
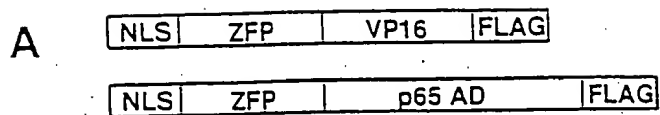


Figure 6

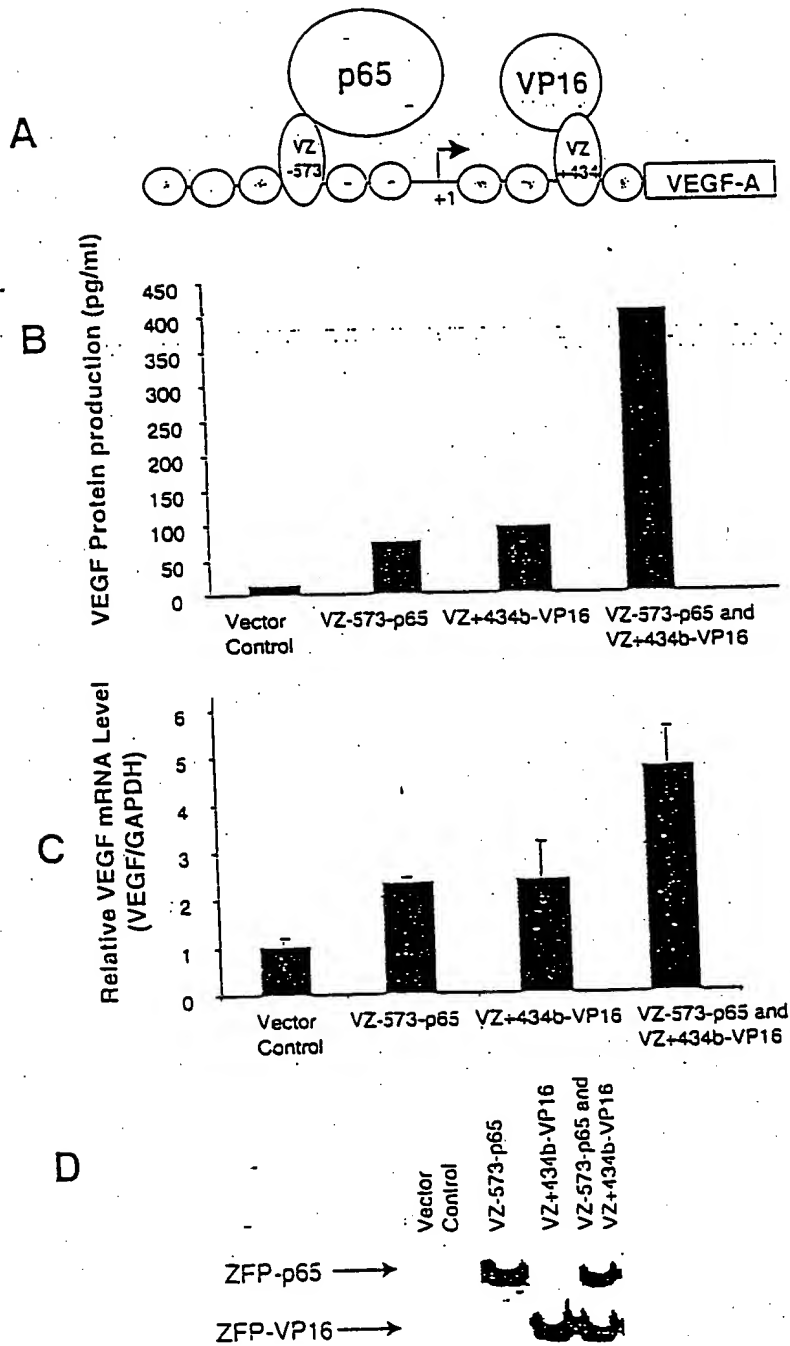


Figure 7

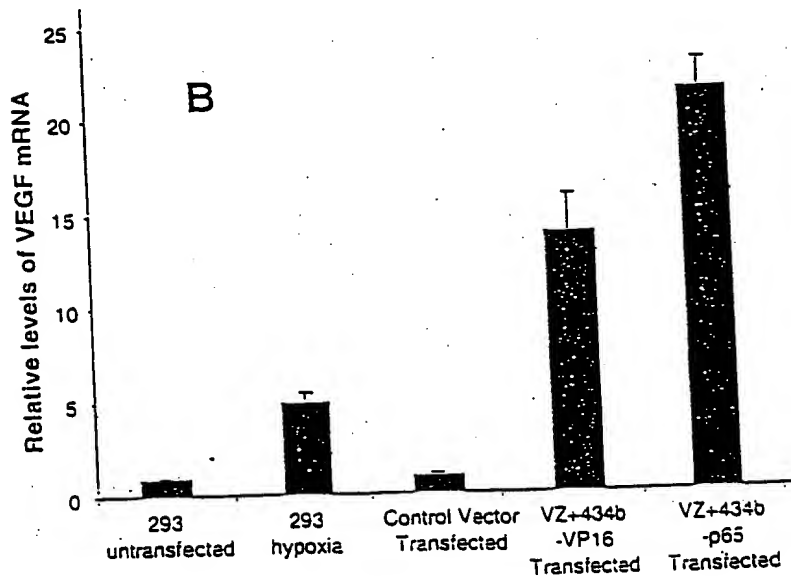
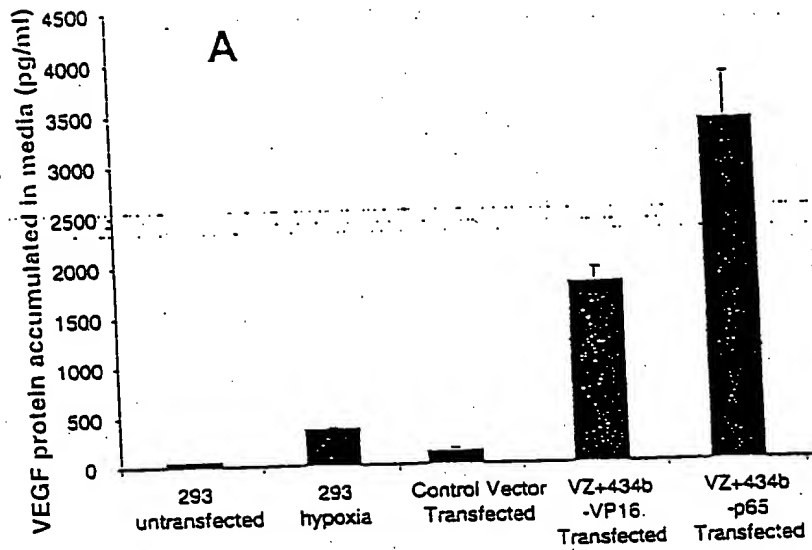
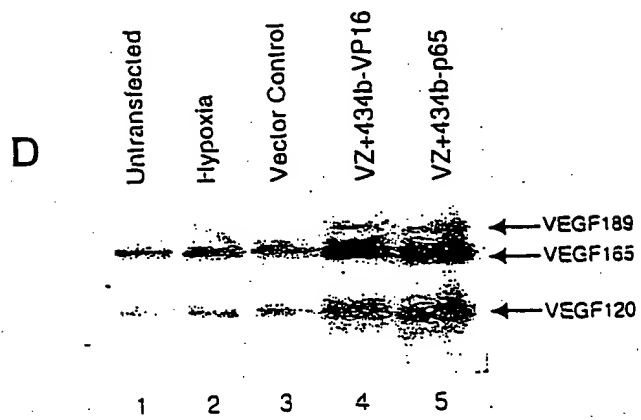
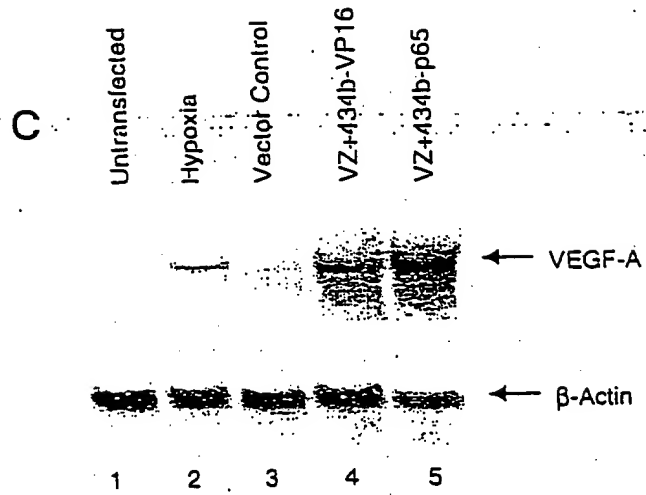


Figure 7



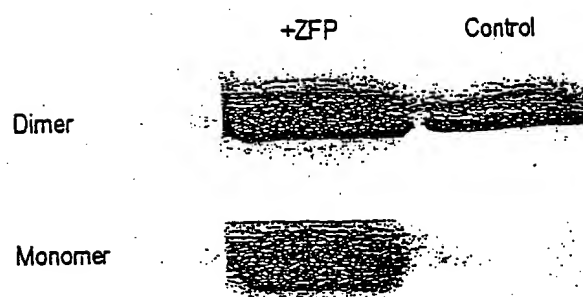


FIG. 8



Control.

A.



+ ZrP

B.



C.



D.



E.



F.



FIG. 9



Activation of Human VEGF-A Gene By ZFPs in 293 Cells (VEGF-A protein production detected by ELISA)

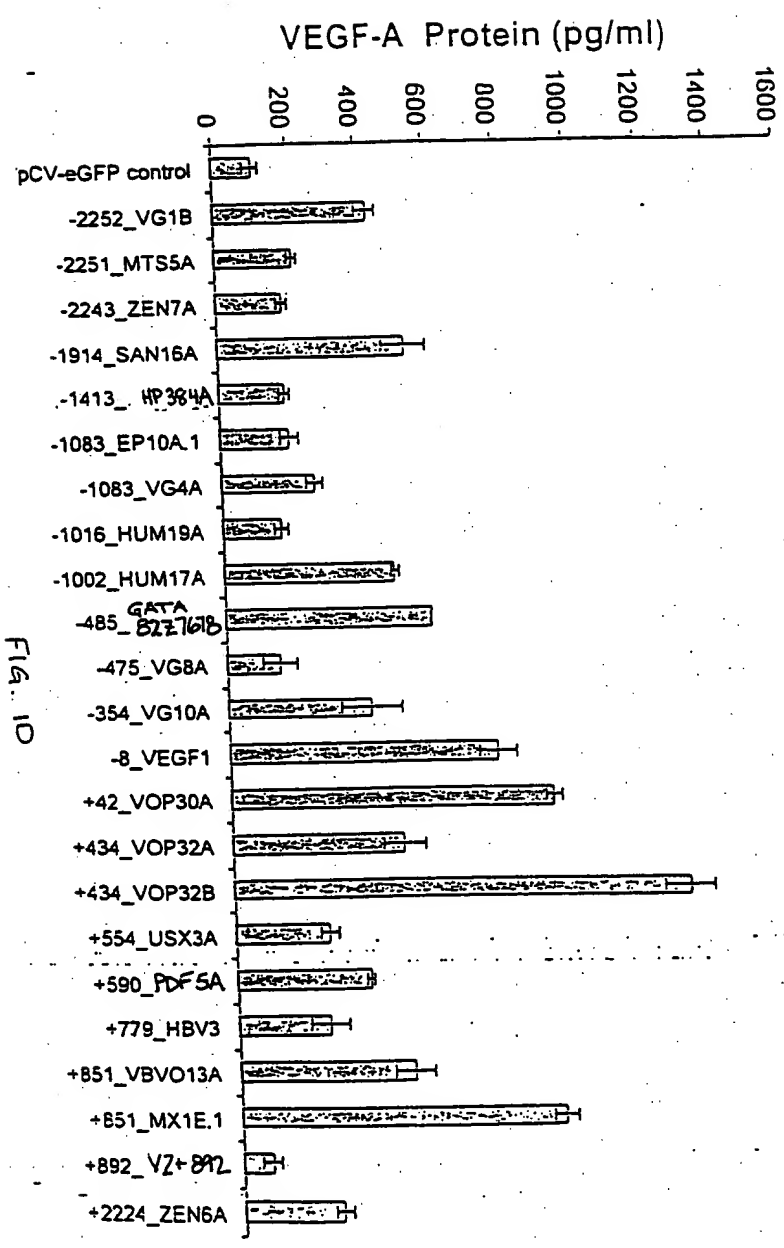
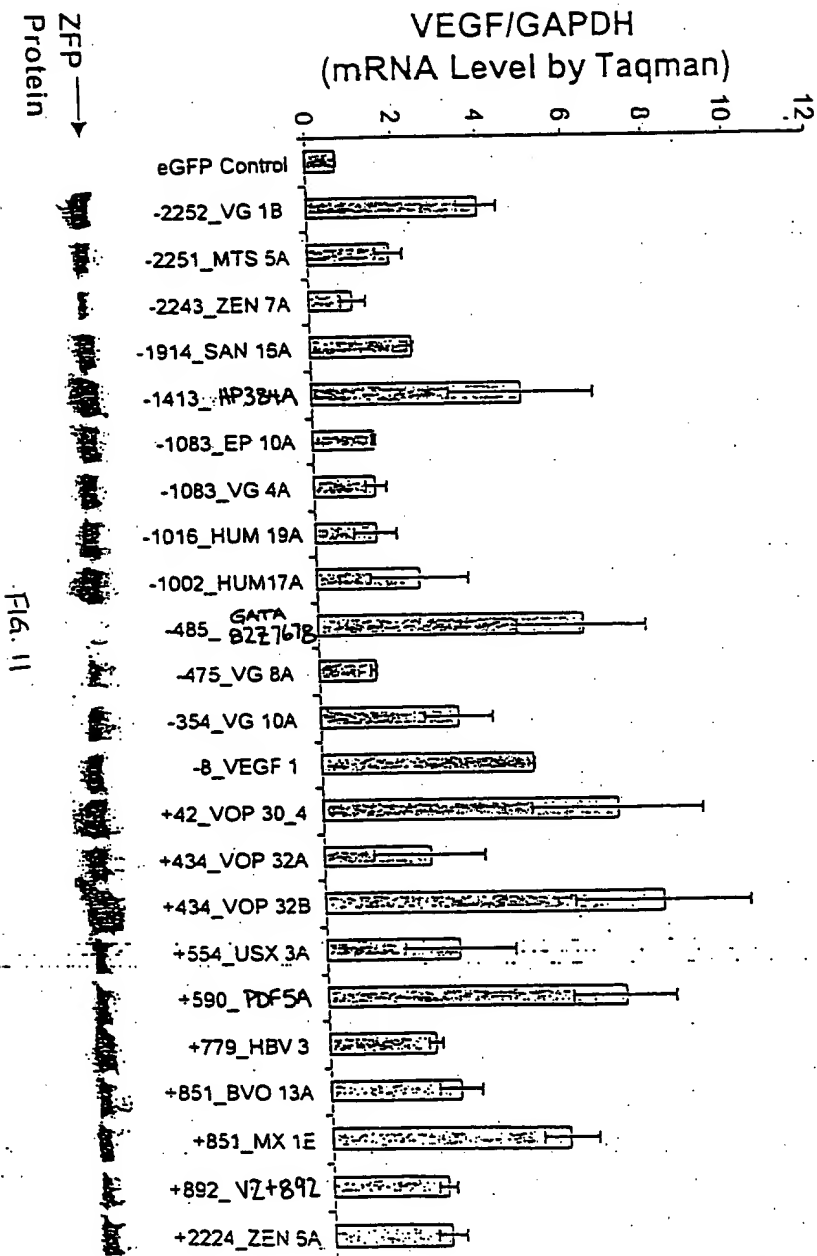


FIG. 10

Activation of Human VEGF-A Gene by ZFPs (VEGF-A mRNA Detected by Taqman Analysis)



Activation of Human VEGF-A Gene Promoter by ZFPs (Activation of VEGF Reporter in 293 cells)

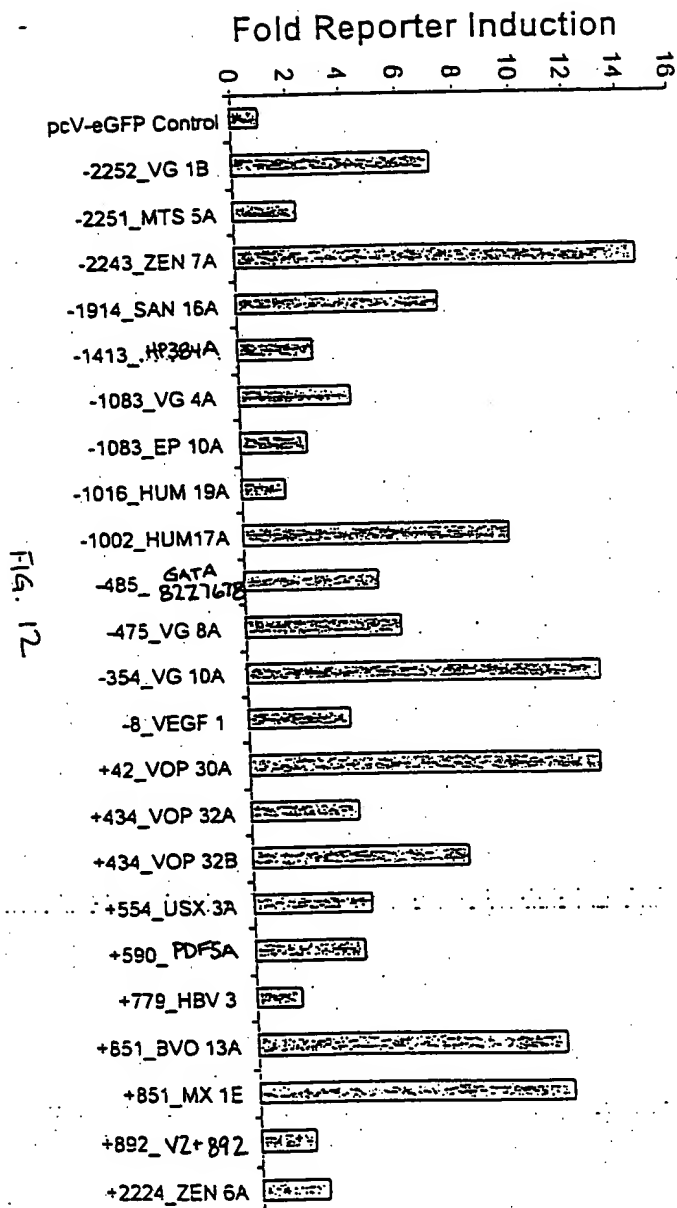


FIG. 12

VEGF Activation By ZFP VOP28A and RAT24A in 293 Cells
(VEGF protein detected by ELISA)

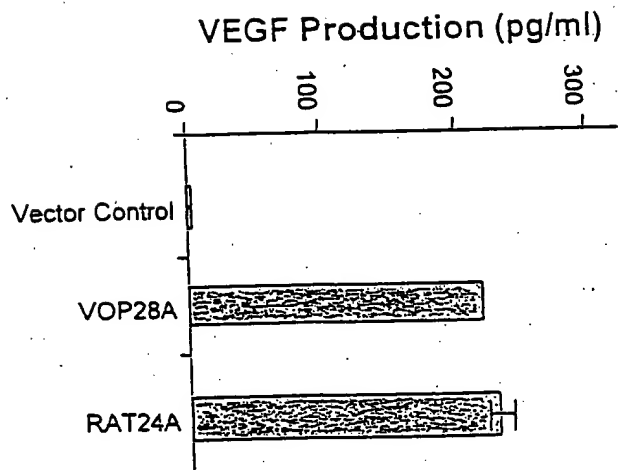


FIG. 13

Figure 14

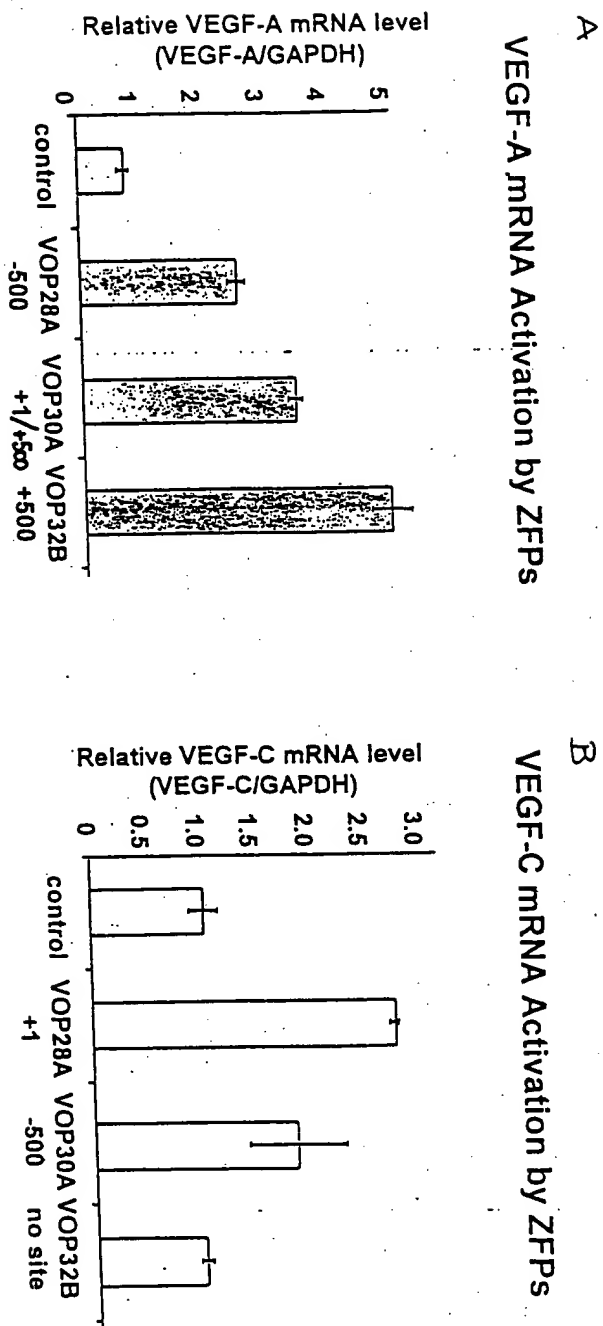
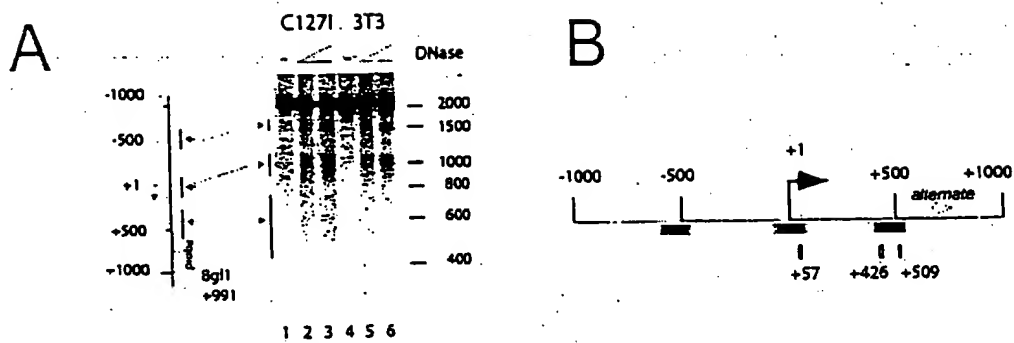


Figure 15



C

ZFP Name	Target		Finger Designs
	Sequence 5'-3'	Subsites 5'-3'	
mVZ+57	TCAGCGGGCGGAGGAGc	TCAGc GGGc GGGc GAGc GAGc	4123448 QSGELTK F6 RSGELSA F3 RSGELTA F4 QSGELTA F3 RSGELTA F2 RSGELTA F1
mVZ+426	GGGGGTGACc	GGGc GGGc GACc	RSGELTA F3 TSSELVA F2 DRSMLTA F1
mVZ+509	GCTGGGGGc	GCTc GGGc GGGc	QSSSLTA F3 RSDHLTA F2 DRSMLTA F1

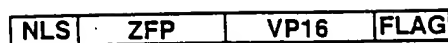
D

ZFP	Target	Gel Shift	Apparent Kd (nM)
mVZ+57	TCAGCGGGCGGAGGAGc		0.031
mVZ+426	GGGGGTGACc		<0.01
mVZ+509	GCTGGGGGc		<0.01
SP1	GGGGCGGGGg		0.053

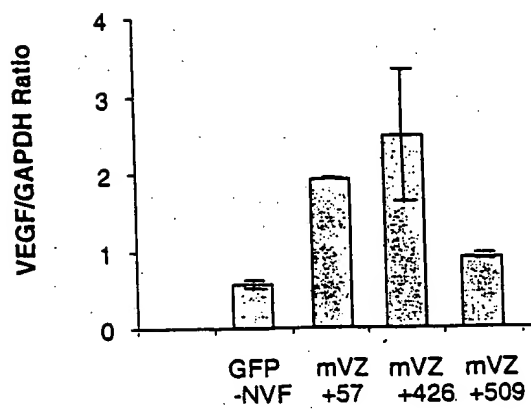


Figure 16

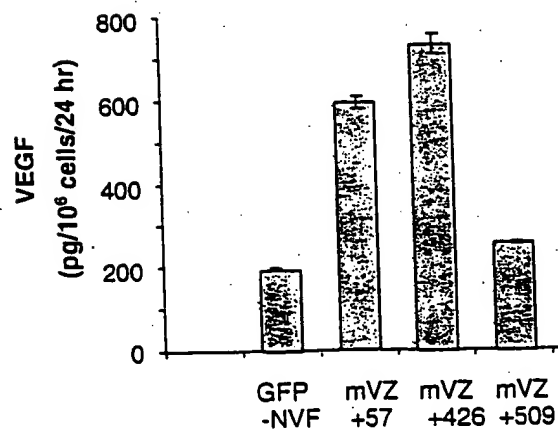
A



B



C



RECEIVED
JUN 10 1998
FBI - NEW YORK
100-100000-100000

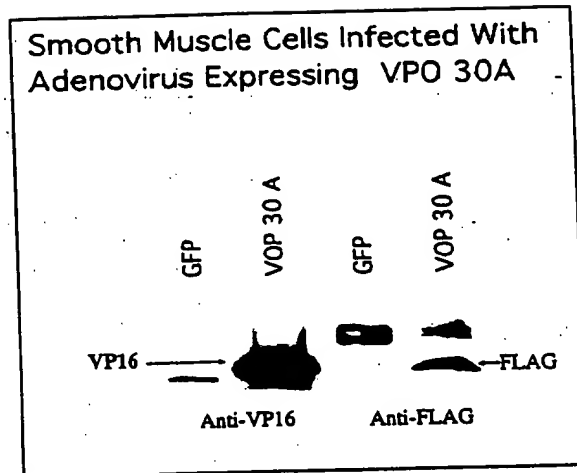


FIG. 17A

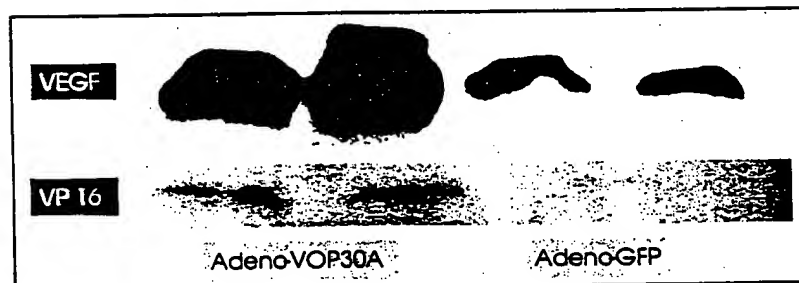


FIG. 17B



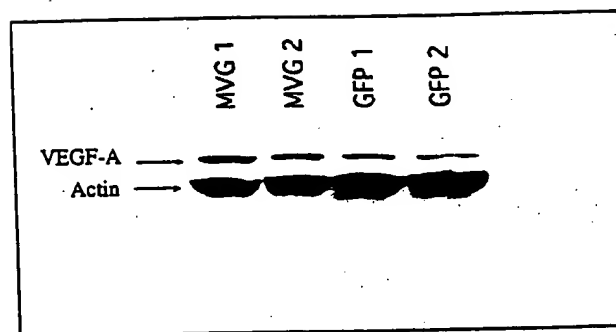


FIG. 17C

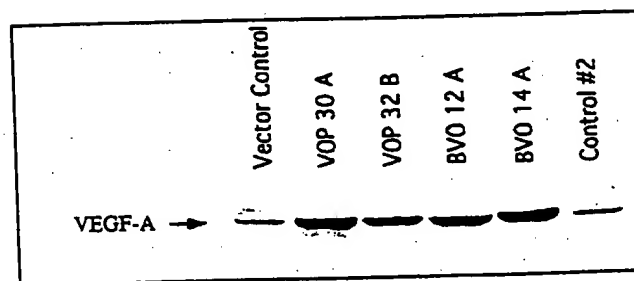


FIG. 17D



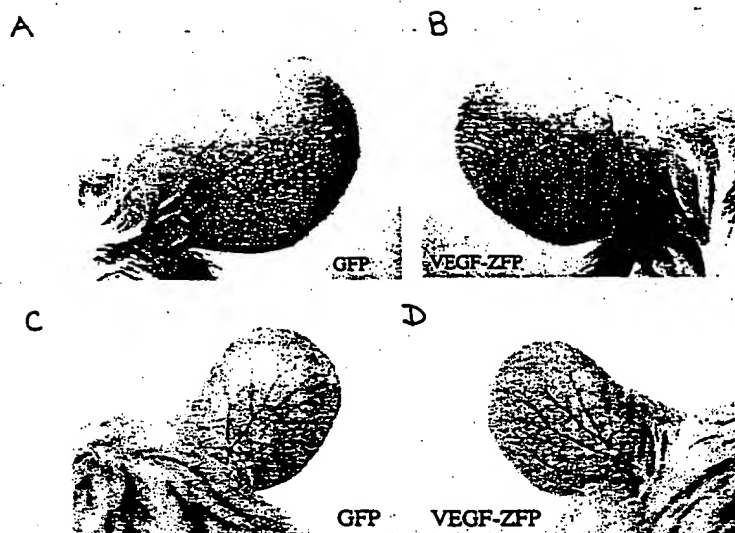


FIG. 18

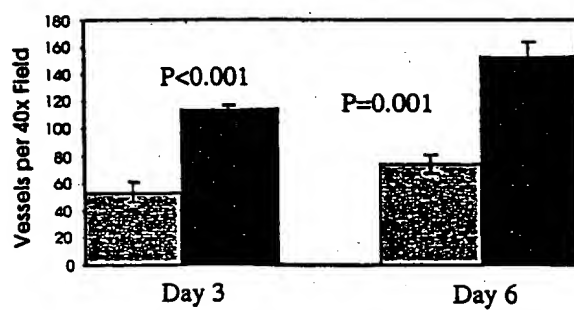


FIG. 18 E

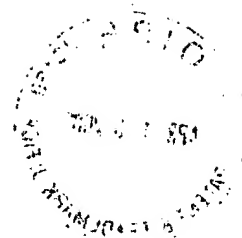


FIG. 19A

GFP



FIG. 19B

MVG

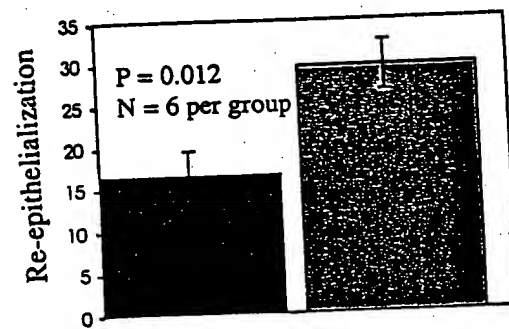
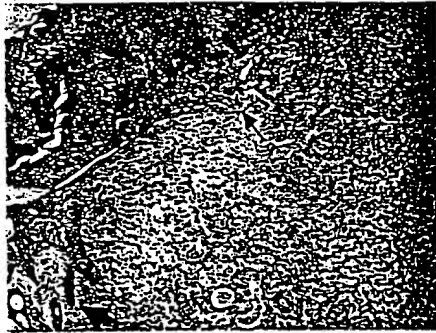


FIG. 19C

RECEIVED
JAN 11 1990
FBI - NEW YORK



VEGF-ZFP (MVG)
(MVG)

FIG. 20A



GFP Control

FIG. 20B



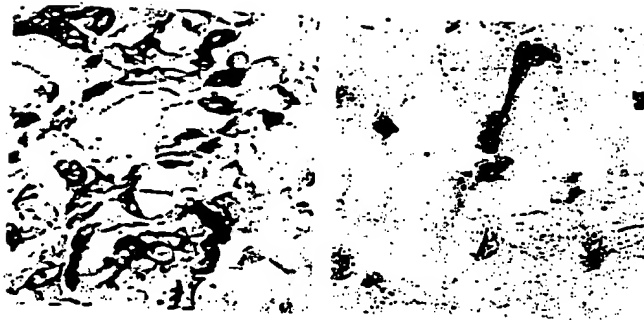


FIG. 21 A

FIG. 21 B

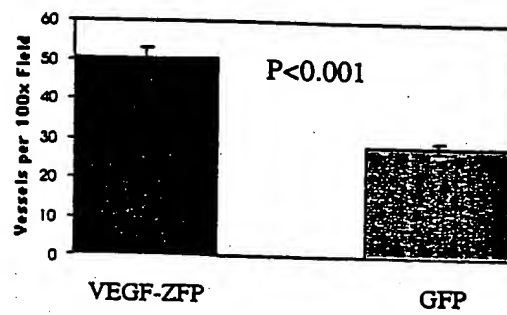


FIG. 21 C

